
2019 Business Plan & Budget

Waste Services

Prior Year Accomplishments

Economic Innovation & Prosperity

- 10 year Capital Program for Waste Services
- 10 year Equipment Replacement Strategy

Sustainable Infrastructure & Services

Material Recovery Facility

Maintained the processing rates of materials and residual levels, through continued education of residential and IC&I establishments

Maintained equipment and building structure

Replaced a year 2007 Forklift

Landfills, Transfer Stations and Curbside Collection

Entered into a service agreement with Alderville First Nation (AFN), for the County to provide waste management services (including curbside collection services) to AFN

Continued works on the relocation of the historic waste from the unlined section of the Brighton Landfill and construction of the new engineered waste cells at the Brighton Landfill. Construction will be complete by end of 2018.

Received approvals and issued a tender for the construction of the planned upgrades to the Public Drop-Off areas at our Landfill and Waste Transfer Stations. Upgrades will enable more waste materials, such as mattresses, asphalt shingles, construction and demolition waste, wood waste, etc. to be diverted from landfill.

Commenced detailed design and approval of an Organic Waste Transfer Station to be constructed at the Brighton Landfill site in 2019.

Commenced detailed design and approval of the replacement of the leachate pumping station at the Eagleson landfill. Anticipate approvals to be in place by the end of 2018, with construction commencing in the spring of 2019



Replaced a year 2008 pick-up truck

Household Hazardous Waste and Electronic Waste (HHW & E-Waste)

Managed HHW and E-waste from 8,259 visitors to the seasonal depots (down 65 from 2017)

Diverted:

2,698 drums of HHW from landfill (down 228 from 2017)

10,845 fluorescent light tubes from landfill (down 821 from 2017)

1,324 automotive batteries from landfill (up 36 from 2017); and

1,035 propane tanks from landfill (down 158 from 2017).

Diverted 266 skids of E-waste from landfill (down 43 skids from 2017).

Continued participation in the Ontario Electronic Stewardship Program

Continued participation in Stewardship Ontario's and Product Care's Municipal Hazardous and Special (MHSW) waste programs

Thriving & Inclusive Communities

Planning and Education

Held the 10th annual Mayors' Keep the County Clean Challenge, which resulted in more than 2,020 volunteers from all 7 area municipalities collecting over 15,670 kg of litter from roadsides, parks, nature areas and other public spaces from within the County.

Issued an RFP to retain a consultant to assist the County in the development of an Environmental Assessment (EA). The aim of this EA will be to determine the preferred solution for managing the County's residual waste, once the Brighton Landfill reaches its approved capacity.

In partnership with the City of Kawartha Lakes, City of Peterborough, and County of Peterborough, continued with the in-school educational program which interactively educates primary school students about the importance of environmental stewardship and recycling.

Received the "Gold" award from the Municipal Waste Association for the County's 2017 Waste and Recycling Information Calendar

Worked with Cobourg Rotary Club, to make the 2018 Northumberland Rib Fest "Zero Waste". Thorough this initiative we were able to divert over 4 tonnes of recyclables and food waste from landfill through recycling and composting.

Organizational Excellence

Completed staff training in the following areas for one or more staff members

Training:

Health and Safety Training



Working Minds Training
LEAN White / Yellow Belt Training
Media Training
Emergency and Standard First Aid
Transportation of Dangerous Goods
Workshops / Seminars / Conferences:
Municipal Waste Association (MWA) Spring and Fall Workshops
Continuous Improvement Fund (CIF) Ontario Recycler Workshop
Area Waste Managers Meetings
Schulich Masters Certificate in Municipal Leadership
Canadian Waste Expo

2019 Service Objectives & Initiatives

Economic Innovation & Prosperity

- 10 year Capital Program for Waste Services
- 10 year Equipment Replacement Strategy

Sustainable Infrastructure & Services

Material Recovery Facility (MRF)

Maximize diversion rates at the MRF through continuous improvement of processes, improve the employee working environment while operating in a cost-effective manner
Maintain processing rates of materials and reduce residual levels, through continued education of residential and IC&I establishments
Maintain equipment and building structure
Undertake major repairs to the MRF roof – Cost \$140,000
Replace a year 2014 Skidsteer – Cost \$45,000
Replace a year 2013 Loader – Cost \$200,000

Landfills, Transfer Stations & Curbside Collection

Ensure the continued environmentally sensitive and economical operation of the Brighton Landfill.



Continue to review and update the management and monitoring strategies for the County's closed landfills.

Construct an Organics Transfer Station at the Brighton Landfill - \$500,000 (funds already secured during the 2018 budget process)

Continue construction of the upgrades to Public Drop Off Areas at the County's Landfill and Transfer Stations, in order to accommodate additional diversion opportunities – Cost \$483,800 (of which 60% is being funded through the Small Community Fund (SCF)) (funds already secured during the 2018 budget process)

Continue to monitor the success of the remediation of the former Eagleson Landfill.

Initiate the development of a remediation plan for the Highland Drive Landfill to mitigate the effects the residential component of the waste at this site is having, or could have, on the environment. This plan will need to be implemented in conjunction with or immediately following the remediation efforts undertaken by Atomic Energy of Canada Limited (AECL) to remove the low level radioactive waste at the site.

Replace the existing leachate pumping station at the Eagleson Landfill with a below-grade leachate containment tank – Cost \$285,000 (funds already secured during the 2018 budget process)

Implement a new long-term curbside collection contract for garbage, two stream recyclables, organic waste (a.k.a. "Green Bin") and leaf and yard waste.

Education

Develop and enhance the County's education and communication techniques and strategies.

Prepare comprehensive but simple education materials for residents, in advance of significant changes to collection programs that will take place in September of 2019 (e.g. new Green Bin program and transition to a two stream recycling program from the current single stream program).

Continue to offer tours of our MRF to schools, service clubs and the general public.

Continue to offer "guest speaker" services to service clubs and the general public, in an effort to further promote the County's waste diversion programs.

Long Term Waste Management Master Plan (LTWMMP)

Continue to implement the short-term goals / objectives of the LTWMMP.



Continue work on the Residual Waste Disposal Environmental Assessment process– Cost \$1,500,000 over 5 years, with \$337,500 anticipated in 2019.

Continue contributing to a waste management reserve fund in order to finance the replacement of existing waste management facilities/equipment and for the implementation of any new waste management initiatives. Proposed 2019 contribution of \$400,000.

Household Hazardous Waste and Electronic Waste (HHW & E-Waste)

Transition from depot operations to year-round access for HHW & E-waste disposal in the spring of 2019.

Thriving & Inclusive Communities

Continue work on the residual waste disposal Environmental Assessment (EA) which, though extensive consultation with the public, will ultimately determine the County's long term solution for managing our non-divertible waste

Continue to implement the recommendations of the Long-Term Waste Management Master Plan, in an effort to reach the goal of 75% waste diversion from landfill

Organizational Excellence

Complete staff training in various areas for staff members

Long Term Plan & Strategic Objectives

Economic Innovation & Prosperity

- 10 year Capital Program for Waste Services
- 10 year Equipment Replacement Strategy

Sustainable Infrastructure & Services

Overall Budget

2020:

Attempt to develop a realistic 2020 budget.



Material Recovery Facility (MRF)

2020:

Transition to a two-stream recycling sorting process, from the current single-stream sorting process

Maximize diversion rates at the MRF through continuous improvement of processes, improve the employee working environment while operating in a cost-effective manner

The capital replacement of a 2012 Forklift– Cost \$45,000

Continue to increase diversion rates and reduce residual levels through enhancing the education of residents and IC&I establishments

Continue to maintain equipment and building structure through a proactive maintenance program

3-5 Years:

Look for opportunities to add new items to the list of materials that can be recycled in the County's Recycle Clean Program

Continue to increase diversion rates and reduce residual levels through enhancing the education of residential and IC&I establishments

Continue to maintain equipment and building structure through a proactive maintenance program

Landfills, Transfer Stations and Curbside Collection

2020:

Ensure the continued environmentally sensitive and economical operation of the Brighton Landfill

Continue to monitor the success of the remediation of the former Eagleson Landfill

Continue the development of a remediation plan for the Highland Drive Landfill that will mitigate the effects the residential component of the waste at this site is having or could have on the environment. This plan will need to be implemented in conjunction with or immediately following the remediation efforts undertaken by Atomic Energy of Canada Limited (AECL) to remove the low level radioactive waste at the site.

3-5 Years:

Implement the remedial solution that will address the impacts of the residential component of the waste at the Highland Drive Landfill



Education

2020:

Develop and enhance the County's education and communication techniques and strategies

Continue to provide accurate, informative and educational communications to all users of the County's waste management system

3-5 Years:

Continue to provide accurate, informative and educational communications to all users of the County's waste management

Long Term Waste Management Plan

2020:

Continue implementation of short-term goals / objectives of the Long-Term Waste Management Master Plan

Continue contributing to a waste management reserve fund in order to finance the replacement of existing waste management facilities/equipment and for the implementation of any new waste management initiatives

Continue work on the Residual Waste Disposal Environmental Assessment

Undertake a review / update of the Long Term Waste Management Master Plan

3-5 Years:

Continue to implement recommendations from the Long-Term Waste Management Master Plan

Continue work on the Residual Waste Disposal Environmental Assessment

Household Hazardous Waste and Electronic Waste (HHW & E-Waste)

2020:

Continue to offer year-round access for the proper management of HHW & E-Waste.

3-5 Years:

Continue to offer year-round access for the proper management of HHW & E-Waste.

Thriving & Inclusive Communities

Continue work on the residual waste disposal Environmental Assessment (EA) which, though extensive consultation with the public, will ultimately determine the County's long term solution for managing our non-divertible waste



Continue to implement the recommendations of the Long-Term Waste Management Master Plan, in an effort to reach the goal of 75% waste diversion from landfill

Organizational Excellence

Complete staff training in various areas for staff members



2019 Issue Paper

Changes to Organizational Structure

Purpose

To recommend changes to the organizational structure of the Waste Services Division that will enable the division to best provide the current and proposed waste disposal and diversion services that meet or exceed the expectations of the residents of the County.

Background

In 2019, the Waste Services Division will be making some significant changes and improvements to the levels of service it currently provides. These service level improvements all stem from the County's Long Term Waste Management Master Plan (LTWMMP); the goal of which is to achieve at least 75% residential waste diversion from landfill. The improvements and changes to levels of service in 2019 will consist of:

- Upgrading the existing public drop off areas at the Brighton Landfill and the Bewdley and Seymour Transfer Stations, in order to facilitate the diversion of many more waste streams from landfill, and to also provide year-round access to Household Hazardous Waste (HHW) disposal;
- Implementing a curbside organic waste collection and diversion program (a.k.a. a "Green Bin" program);
- Transitioning from a single stream recycling collecting program (where all recyclables are placed into one bag or blue box), to a two stream recycling collection program (where papers and cardboard are placed into one "grey box" and all containers (e.g. aluminum cans, plastic bottles, juice cartons, metal cans) are placed into a "blue box"); and
- Constructing and operating an Organic Waste Transfer Station at our Brighton Landfill, designed to receive, bulk and transport out, all of the green bin waste that will be collected from roadside by our collection contractor.



Changes in Site Operations and Oversight

The Waste Division's Operations Manager is due to retire in early 2019. In preparation for this retirement, and in light of the many current and upcoming capital projects within the Division, the Operations Manager has been temporarily re-assigned to oversee these major projects: which included the waste relocation and expansion project recently completed at the Brighton Landfill; and will include the planned upgrades to the public drop off areas at the Landfill and Transfer Stations, and the design of the Organic Waste Transfer Station.

In light of this re-assignment, the MRF Plant Manager has temporarily been assigned oversight of Waste Operations.

On a permanent basis, the current Waste Operations Manager position will be re-titled to the Supervisor of Landfill and Collection Operations. Staff are recommending that the current seasonal HHW Coordinator position be converted into a year round, permanent position, in order to accommodate the new service levels. Staff are also recommending that the position be reclassified as a Supervisor position (Supervisor of Transfer Station Operations).

It is being proposed that the Supervisor of Landfill and Collection Operations be responsible for the day to day operations of the Brighton Landfill, Roll-Off operations, and the operation of the future Organic Waste Transfer Station, in addition to the site maintenance and packing of waste bins at the Seymour and Bewdley Transfer Stations.

The Full and Part Time Landfill Operators, as well as the Roll-Off Truck Drivers would report to the Supervisor of Landfill and Collection Operations, and this Supervisor would be responsible for the scheduling of these staff.

Once upgrades to the public drop off areas at the Brighton Landfill and the Bewdley and Seymour Transfer Stations are complete, it will be necessary to have employees at these public drop off areas, at all times, in order to direct and educate patrons on where to place their divertible waste materials, and also to accept and properly sort Household Hazardous Waste that will be accepted continuously during the site's normal hours of operation.



To facilitate the enhanced service levels and increased diversion options, staff received Council approval in 2015 to re-title the “Scale Attendant” position to “Transfer Station Attendant”, and increased the overall allotment of hours for the new Transfer Station Attendant positions. The Transfer Station Attendants will still be responsible for the operations of the weigh scales, but will have the added responsibility of managing Household Hazardous Waste and educating / directing patrons on proper waste diversion at the public drop off areas. At any given time, there will be a minimum of two Transfer Station Attendants at each site, during normal operating hours. One will operate the scales and the other will be at the public drop off area, providing direction to patrons.

It is being proposed that the Supervisor of Transfer Station Operations be responsible for the day to day operations of the weigh scales, the public drop off areas, and the administration of the various current, and proposed, on-site diversion programs (e.g. household hazardous waste, electronic waste, scrap metal, leaf and yard waste composting, Styrofoam, tires, Freon containing items, mattresses, shingles, textiles, etc.)

The Full and Part Time Transfer Station Attendants would report to the Supervisor of Transfer Station Operations, and this supervisor would be responsible for the scheduling of these staff.

It is being proposed that the Supervisor of Landfill and Collection Operations would report to the Plant Manager, Material Recovery Facility, and that the Supervisor of Transfer Station Operations report to the Manager, Environmental & Technical Services.

The HHW Coordinator position within the Waste Division’s approved Organizational Structure is at a level “D” within the County’s Non-union Salary Grid. With the proposed reclassification of the position to a Supervisor, the position would be one level higher, in level “E”. The current HHW Coordinator is approved for 1040 hours (half of a full time equivalent). The reclassified Supervisor position would be a full time position at 2080 hours per year.

The current Waste Operations Manager position, which will be re-titled to the Supervisor of Landfill and Collection Operations, the position has been reevaluated to establish the appropriate paygrades and will



remain at the same level (level “E”) within the County’s Non-union Salary Grid; however, the current position is listed at 2210 hours per year. If the reclassification of the HHW Coordinator position is approved, it is further recommended that the Supervisor of Landfill and Collection Operations position be reduced down to 2080 hours per year.

Under this proposed scenario, with two Supervisors, both working at the landfill and transfer stations, there would be the ability to stagger start and end times, so that at any given time, during normal operating hours of the site, one of the two Supervisors will be present.

Currently on-call pay is provided each week to the Waste Operations Manager, since the sites are open 6 days per, and the Manager needs to be available on that 6th day to respond to any matters that may arise.

Under this proposed scenario, with two Supervisors, the days of the week that the Supervisors work will also be staggered, such that one works Monday to Friday and the other works Tuesday to Saturday, to avoid the added expense of on-call pay.

Temporary Staffing Needs to Implement Changes in Roadside Collection

As noted above, in September of 2019, the County will be implementing some significant changes to the waste streams we collect at roadside from our residents.

We will be transitioning from a single stream set-out for recyclables, to a two stream set-out. We will also be implementing a roadside collection program for organic waste (e.g. Green Bin program).

In order to educate residents about these changes and to physically provide residents with the blue and grey boxes, and green bins they will require, in order to set out their various waste materials for collection, staff are recommending that two (2) summer students be hired in 2019 to deliver the boxes



and bins, and to educate residents, in person, about the changes and set-out requirements, as they are delivering the boxes and bins.

In order to deliver the blue and grey boxes and green bins to the over 39,000 users of our roadside waste collection program, it is proposed that the Waste Services Divisions utilize two (2) ambulances from the County's Paramedics Department, instead of incurring costs to rent a cube van. The Paramedics Department is scheduled to take three (3) ambulances out of service in the first quarter of 2019. At which time, the Waste Services Division would take possession of two of them, have the decals removed, and have them re-signed to reflect their new short-term purpose. Once the blue and grey boxes and green bins have been delivered, the ambulances would then be sold, and the proceeds of the sale of the ambulances directed back to the Paramedics Department.

Accordingly, in addition to the salaries of the two (2) students, there will also be costs incurred to retrofit / repurpose the two ambulances, and fuel them over the course of the summer.

Given the magnitude of the changes that will occur in 2019, and the fact that we provide roadside collection to over 39,000 households and businesses within the County, we are anticipating a significant increase in the number of calls and inquiries we receive from residents about the new and changing programs. In order to manage this anticipated influx of calls and inquiries, staff are recommending that an Administrative Assistant be hired, on a 3 month contract, for the months of August, September and October next year.



Consultation/Options

The Waste Service Division underwent an extensive, multi-year consultation process between 2011 and 2013, to develop the currently approved LTWMMP. The recommendations of this plan were: to implement an organic waste collection and diversion program; to transition to a two stream recycling collection program; and to increase the number of materials that can be diverted from landfill at the public drop off areas at the Brighton Landfill and the Bewdley and Seymour Transfer Stations.

Financial Impact

There will be no financial impact resulting from the conversion of the current seasonal HHW Coordinator Position to a year round, permanent position, and reclassifying it to the Supervisor of Transfer Station Operations. This is due to the fact that there will be savings achieved within the Waste Management Division, through no longer having to staff and operate HHW & E-Waste Depots at the Brighton Landfill and Bewdley and Seymour Transfer Stations. Providing year-round access to HHW & E-Waste disposal at these sites had already been accounted for during the 2018 budget process.

The net financial impact of hiring two Summer Students to educate residents about changes to roadside waste collection programs and to deliver blue and grey boxes and green bins, will be approximately \$40,000. This includes wages and benefits, training, retrofitting of the two ambulances and fuel costs. This cost could be reduced, if the County is successful in receiving funding for the two student positions.

The net financial impact of hiring one Administrative Assistant on a 3 month contract, in 2019, to assist with the anticipated influx of public inquiries regarding the changes in roadside waste collection services will be approximately \$15,000. The total net financial impact of this project is \$55,000. It is recommended that funding of \$55,000 be allocated in 2019 Waste Services Division budget to make these improvements.

Risk Considerations

The County's LTWMMP has a goal of diverting over 75% of the residential waste stream away from landfill. Without the implementation of an organic waste diversion program, transitioning to a two stream recycling collection program, and increasing the diversion options at our Landfill and Transfer Stations, the County would not be able to meet this goal.



The full time and temporary staffing positions being requested are vital to ensuring that the programs being implemented are successful at start-up, and continue to be successful in the long term.

Impacts to Member Municipalities/Partners

Not applicable.

Included in 2019 Long Term Plan: YES/NO

Given that the costs associated with the recommended staffing are operational, they have not been included in the Waste Services Division's long term Capital Plan. That being said, the increase in operational costs, resulting from the temporary and permanent positions, has been anticipated since the LTWMMP was adopted in 2013, and staff started work on implementation strategies for the various recommendations contained within that Plan.

2019 Issue Paper

Equipment Replacement Strategy

Purpose

The County's Waste Services Division has developed a sustainable equipment replacement strategy, which includes the annual contribution of \$400,000 to a reserve account. This reserve allows for timely and affordable replacement of the equipment and facilities necessary to operate its landfill, transfer stations, and Material Recovery Facility (MRF).

Background

Northumberland County uses a fleet of approximately 30 pieces of mobile equipment for the operation of the Brighton Landfill, the Bewdley and Seymour Transfer Stations, and the MRF, ranging from a ½ ton truck for the collection of illegally dumped waste on municipal roadsides, to heavy equipment for work in the landfill, transfer stations, and our MRF. There is also a significant amount of processing equipment at the MRF. Combined, the replacement value of this equipment is approximately \$8 million.

The four (4) items recommended for purchase / replacement, or repair in 2019, as part of the Waste Services Division's 10 Year Equipment Purchase and Replacement Strategy are:

- Replacement of a year 2014 skidsteer;
- Replacement of a year 2013 loader; and
- Repairs to the MRF Roof.

Consultation/Options

Justification for replacement of a year 2014 skidsteer

The Waste Services Division employs two (2) skidsteers at the Material Recovery Facility (MRF). These skidsteers are used daily in support of the MRF's operations.



Specifically, the skidsteers are used to move recyclables within the facility. This piece of equipment is vital for continuous operations. In the event of a breakdown of this equipment, the MRF production can begin to suffer in as little as a few hours. After which point, a replacement skidsteer must be rented before difficulties arise from lack of storage space within storage bunkers.

The 2014 Skidsteer has over 4,100 hours on it and is showing increased fatigue on structural and mechanical components.

Justification for replacement of a year 2013 loader

The loader at the MRF is used to load recyclable materials from the tipping floor onto the main processing belt (i.e. the In-Feed Belt) which then conveys the material into the sorting section of the MRF.

This loader is unique, in that it has solid rubber tires (to prevent punctures for glass and metal), a grappler bucket and a "waste debris package" (additional shrouds and guard plates to prevent materials for getting inside components such as the engine and drive shafts). In the event of a breakdown, the MRF has a lead time of approximately 3 hours to get the equipment repaired or a replacement loader must be obtained from our Landfill, before production at the MRF is halted due to lack of storage space on the tip floor and lack of material being feed into the sorting section of the MRF.

The 2013 loader currently in use at the MRF has over 7,000 hours on it and is showing increased fatigue to the boom, frame and bucket. Recently, the frequency at which welding repairs are necessary and mechanical part failures are occurring has increased significantly.

Should the replacement of this loader be deferred, the County would be required to undertake frequent and costly maintenance and repair activities, at the risk of downtime events at the MRF.

Justification for repairs to the MRF roof

The steel roof at the MRF is fastened down by screws with rubber washers. The rubber washers are designed to prevent leakage around the screw heads. The MRF roof is original to the building, so it was installed in 1996. Over time, the rubber washers have become brittle and cracked from exposure to the elements. As a result, many of the screw holes are starting to leak. In addition to replacing all of the screws and washers, there are areas of the roof (particularly around HVAC units) that require repair. This past year, during the ice storm, the MRF suffered major leakage and damage to some ceilings. The overall area of the MRF's roof is in excess of 70,000 square feet. To properly repair the roof, all of the screws and washers fastening the metal roofing material down will need to be replaced and repairs will need to be



made to roof sections around HVAC units. It is estimate that the overall cost to undertake the necessary repairs will be approximately \$140,000.

Financial Impact

The attached table outlines the ten-year Equipment Purchase and Replacement Plan for the major waste management vehicles and equipment.

In 2019, the Waste Services Division is proposing that \$385,000 be spent on the replacement of a year 2014 skidsteer, a year 2013 loader, and repairs to the MRF's roof. These purchases would be covered by the Waste Services Division's operating budget.

The proposed 2019 budget for equipment purchases / replacements, and major repairs allows for the following:

- Replacement of a year 2014 skidsteer (\$45,000);
- Replacement of a year 2013 loader (\$200,000); and
- Repairs to the MRF roof (\$140,000).

It is recommended that \$245,000 from the 2019 proposed Waste Services Division's operating budget be allocated to replace the above-noted pieces of equipment, and that \$140,000 be allocated from the Waste Services Division's capital reserve account to undertake the proposed major repairs to the MRF roof.



Waste Management 10 Year Capital Equipment Replacement Plan

Landfill Equipment

- 1996 Volvo Rock Truck (WM11): \$200,000 in 2024
- 2017 Roll-off Truck: \$200,000 in 2028
- 2012 Roll-off Truck: 200,000 in 2022
- 2000 CAT 816 Compactor (WM23): 300,000 in 2025
- 2003 CAT D4 Bulldozer (WM04): 150,000 in 2020
- 2018 Backhoe: 120,000 in 2028
- 2010 Case Backhoe (WM22): 120,000 in 2021
- 2015 Backhoe: 120,000 in 2025
- 2008 D6N Bulldozer (WM24): 250,000 in 2023
- 2015 Excavator: 250,000 in 2026

Miscellaneous vehicles

- 2013 Pick-up Truck: 40,000 in 2023
- 2018 Pick-up Truck: 40,000 in 2028
- 2011 Pick-up Truck: 40,000 in 2021

MRF Equipment

- 2014 Skidsteer (2): 45,000 in 2019 and 2024
- 2016 Skidsteer (2): 45,000 in 2021 and 2026
- 2012 Toyota Forklift (2): 45,000 in 2020 and 2027
- 2018 Toyota Forklift: 45,000 in 2024
- 2013 Loader (2): 200,000 in 2019 and 2027

Miscellaneous equipment

- Roll-off Bins (2): 50,000 in 2022 and 2026



Risk Considerations

Not applicable.

Impacts to Member Municipalities/Partners

Proposed equipment replacements and major repairs will have no impact on member municipalities.

Included in 2019 Long Term Plan: YES/NO

No. The proposed repairs to the MRF roof were not anticipated. It wasn't until the ice storm in 2018, and the resulting leakage / flooding, that we discovered the magnitude of the leakage issue with the roof. All other items recommended for replacement have historically been captured in the Waste Services Division's Long Term Equipment Replacement Strategy.